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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/049,824	02/19/2002	Kweon Jung	1607-0260P	6323
2292	7590 06/20/2003		•	
BIRCH STEWART KOLASCH & BIRCH			EXAMINER	
PO BOX 747 FALLS CHUR	RCH, VA 22040-0747	BARRY, CHESTER T		
			ART UNIT	PAPER NUMBER
			1724	5
			DATE MAILED: 06/20/2003	,

Please find below and/or attached an Office communication concerning this application or proceeding.

		A9-4				
. 👊	Application No.	Applicant(s)				
	10/049,824	JUNG, KWEON				
Office Action Summary	Examiner	Art Unit				
	Chester T. Barry	1724				
The MAILING DATE f this communication app Period for Reply	ears on the cover sheet with the c	orrespondence address				
A SHORTENED STATUTORY PERIOD FOR REPLY THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a reply If NO period for reply is specified above, the maximum statutory period was a failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	within the statutory minimum of thirty (30) day rill apply and will expire SIX (6) MONTHS from cause the application to become ABANDONE	nely filed s will be considered timely. the mailing date of this communication. D (35 U.S.C. § 133).				
Status	41-0000					
1) Responsive to communication(s) filed on <u>17 N</u>						
, _	s action is non-final.					
3) Since this application is in condition for allowa closed in accordance with the practice under <i>I</i> Disposition of Claims						
4) Claim(s) 1-8 is/are pending in the application.						
4a) Of the above claim(s) is/are withdraw	vn from consideration.					
5)⊠ Claim(s) <u>1-5</u> is/are allowed.						
6)⊠ Claim(s) <u>6-8</u> is/are rejected.						
7) Claim(s) is/are objected to.						
8) Claim(s) are subject to restriction and/or	election requirement.					
Application Papers						
9)☐ The specification is objected to by the Examiner						
10)⊠ The drawing(s) filed on <u>19 February 2002</u> is/are		•				
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).						
11) The proposed drawing correction filed on is: a) approved b) disapproved by the Examiner.						
If approved, corrected drawings are required in reply to this Office action. 12) The oath or declaration is objected to by the Examiner.						
Priority under 35 U.S.C. §§ 119 and 120	arriiror.					
<u>. </u>	priority under 35 H.S.C. & 110/a	n)_(d) or (f)				
13)⊠ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a)⊠ All b)□ Some * c)□ None of:						
1. Certified copies of the priority documents have been received.						
Certified copies of the priority documents have been received in Application No						
3. Copies of the certified copies of the prior application from the International Bur	ity documents have been receive reau (PCT Rule 17.2(a)).	ed in this National Stage				
* See the attached detailed Office action for a list of	of the certified copies not receive	ed.				
14) Acknowledgment is made of a claim for domestic		, , , , , , , , , , , , , , , , , , , ,				
 a) The translation of the foreign language pro 15) Acknowledgment is made of a claim for domesti 						
Attachment(s)	4 □ 1-4- · • •	(PTO 440) Paris (AN)				
 Notice of References Cited (PTO-892) Notice of Draftsperson's Patent Drawing Review (PTO-948) Information Disclosure Statement(s) (PTO-1449) Paper No(s) 2 	5) Notice of Informal I	/ (PTO-413) Paper No(s) Patent Application (PTO-152)				
S. Patent and Trademark Office						

Application/Control Number: 10/049,824

Art Unit: 1724

The following is an examiner's statement of reasons for indicating allowable subject matter: USP 4973194 to Peterson describes burying wasted bio-sludge together with incineration ash underground with soil placed thereover. Similarly, JP 52-56073 describes buring ash and sludge together. No art of record suggests the adding SRB (sulfate reducing bacteria) to the sludge – nor describes SRB as necessarily / inherently present in the sludge to begin with – for the purpose of forming sulfides which then bind to heavy metals to form metal sulfides in order to prevent the heavy metal from exuding from the ash as an eluate. Accordingly, claims 1 and 3 are allowed. Claims 2, 4 – 5 are allowed for these same reasons.

Claims 6 – 8 are rejected under 35 USC §112(2nd) for failing to particularly point out and distinctly claim the subject matter for which patent protection is sought. It is unclear to which "the said sulfate-reducing bacteria" for no recitation of "sulfate-reducing bacteria" appears in claim 6. Claim 7 refers to "the reaction plant" antecedence for which is conspicuously and confusingly absent from claims 6 and 7. It is unclear which heavy metals qualify as "desired" heavy metals. It is unclear what the "further reaction process" is. What "resources"? There does not appear to be antecedent basis in claim 6 for "the resources." Similarly, there does not appear to be antecedent basis for "the sewage sludge" recited in claim 8. Claims 6 – 8 are therefore rejected on non-art grounds yet grounds substantially related to patentability, i.e., sec.112(2nd paragraph).

Respectfully,

CHESTER T. BARRY

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